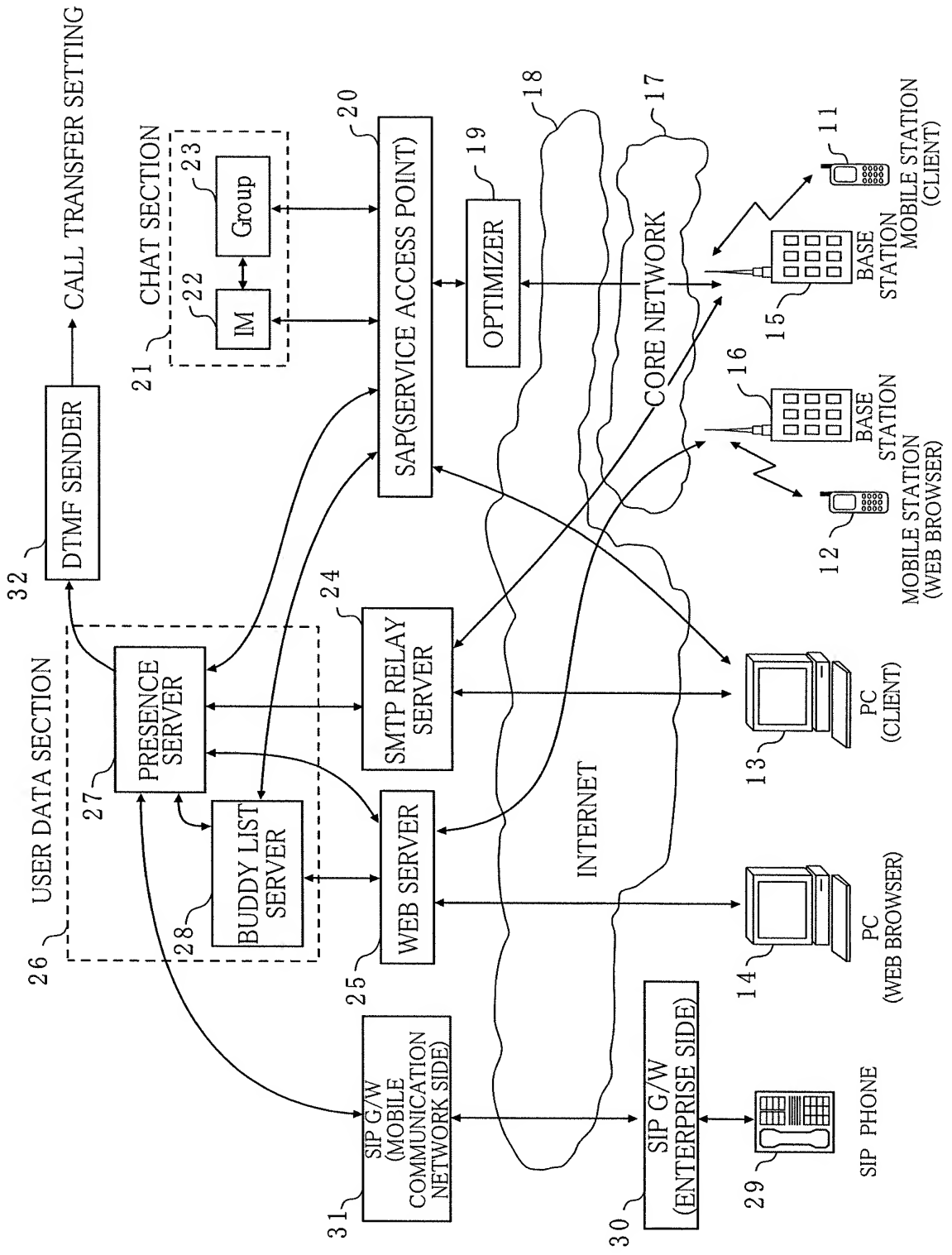
CALL TRANSFER SETTING
DTMF SENDER
32
CHAT SECTION
21
IM
22
Group
23
SAP(SERVICE ACCESS POINT)
20
OPTIMIZER
19
18
17
CORE NETWORK
11
BASE STATION
15
MOBILE STATION (CLIENT)
16
BASE STATION
MOBILE STATION (WEB BROWSER)
12
USER DATA SECTION
26
PRESENCE SERVER
27
SMTP RELAY SERVER
24
BUDDY LIST SERVER
28
WEB SERVER
25
INTERNET
PC (CLIENT)
13
PC (WEB BROWSER)
14
SIP G/W (MOBILE COMMUNICATION NETWORK SIDE)
31
SIP G/W (ENTERPRISE SIDE)
30
SIP PHONE
29

FIG.1

SUBSCRIBER ID:00000123
UID:110StyAAAAAAAAA1
MSN:09012345678
PASSWORD:hogehoge
PERSONAL IDENTIFICATION NUMBER:1234
EMAIL ADDRESS:hoge@jp-t.ne.jp
SIP PHONE ADDRESS:hoge@j-phone.com
REAL NAME:JIEI FUON
NICKNAME:J-PHONE
SELECTED COMMUNITY SET:1
STANDBY POLING RECEPTION:OK
STANDBY POLING INTERVAL:300
PRESENCE UPDATE TIME:20030514 11:10:05
ABSOLUTE PRESENCE SETTING:1
TEMPORARY COMMENT:
・ ・ ・

PRESENCE INFORMATION

FIG.2A

ABSOLUTE PRESENCE ID:1
ABSOLUTE PRESENCE NAME:IN MEETING
TRANSFER DESTINATION TELEPHONE NUMBER :0311112222
NO RESPONSE/NO CONDITION FLAG:NO RESPONSE
ANSWERING MACHINE FLAG:On
CHAT PERMISSION:NOT PERMITTED
RELATIVE PRESENCE SETTING TO CSet 0:1
RELATIVE PRESENCE SETTING TO CSet 1:0
RELATIVE PRESENCE SETTING TO CSet 2:0
RELATIVE PRESENCE SETTING TO CSet 3:0

ABSOLUTE PRESENCE

FIG.2B

I D	NAME	PICTOGRAPH CODE	COMMENT
0	ARRIVED AT WORK	E056	
1	IN MEETING	E059	BORED
2	JOINT PARTY	E057	JOINT PARTY ♪
3	PRIVATE BUSINESS	E05A	MISSING
…	…	…	…

RELATIVE PRESENCE

FIG.2C

COMMUNITY SET ID : 0				
COMMUNITY SET NAME:COMPANY				
BUDDY ID	DISPLAY ORDER	BUDDY NAME	CONSENT	SUBSCRIPTION
00000456	2	MR. B	OK	OK
00087654	4	C	OK	OK
00000033	3	MS. D	NG	OK
90000005	1	SECTION CHIEF E	N/A	NG

COMMUNITY SET

FIG.3

<STANDBY POLING>

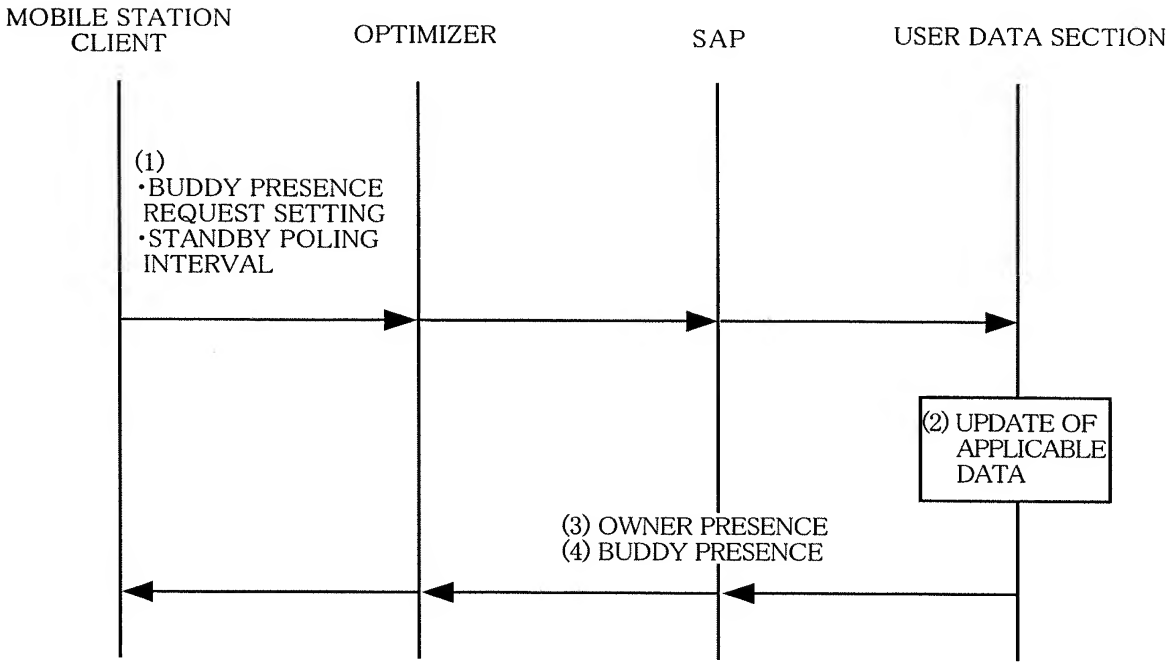

FIG.4

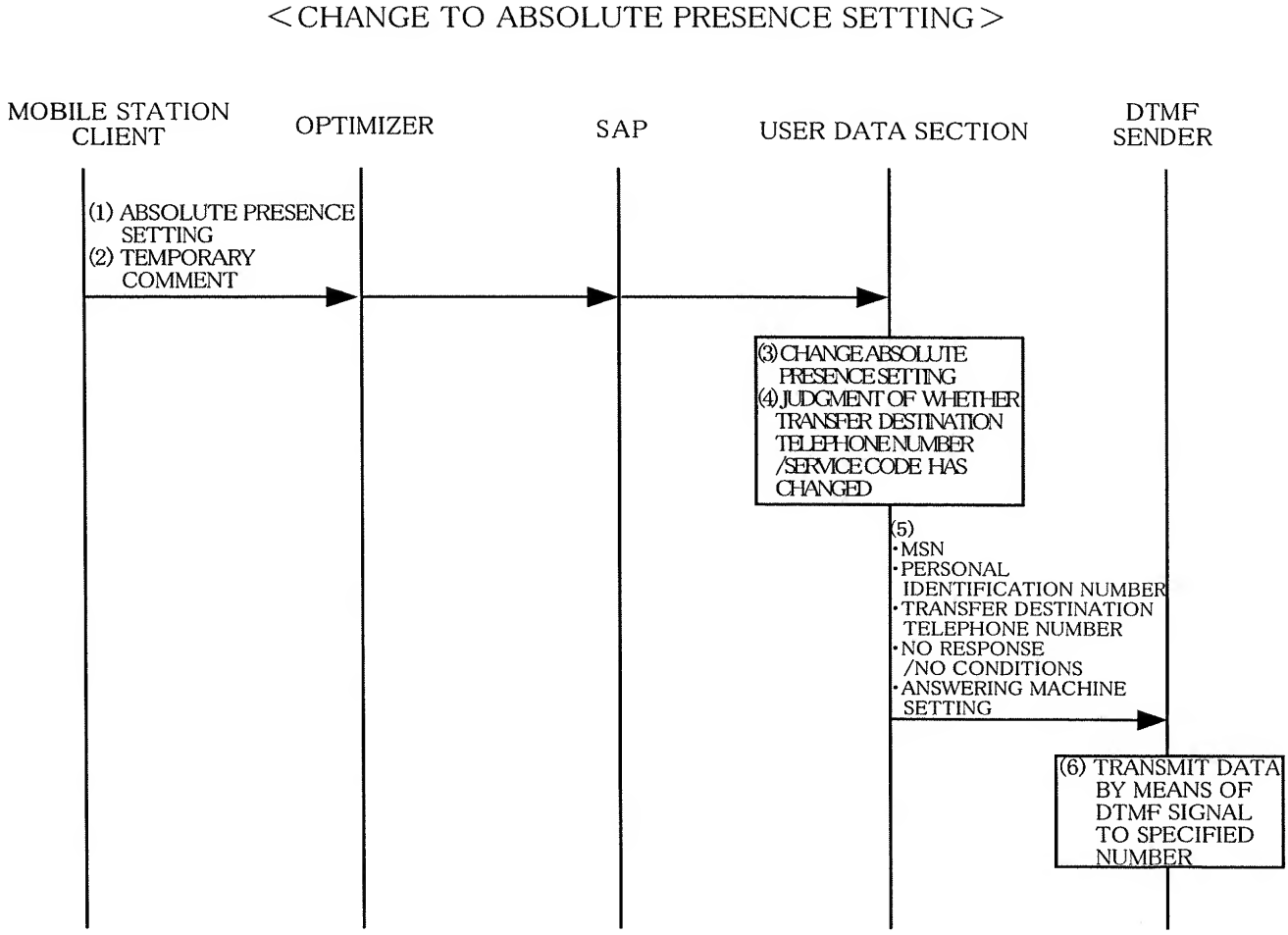
<CHANGE TO ABSOLUTE PRESENCE SETTING>
MOBILE STATION CLIENT
OPTIMIZER
SAP
USER DATA SECTION
DTMF SENDER
(1) ABSOLUTE PRESENCE SETTING
(2) TEMPORARY COMMENT
(3) CHANGE ABSOLUTE PRESENCE SETTING
(4) JUDGMENT OF WHETHER TRANSFER DESTINATION TELEPHONE NUMBER /SERVICE CODE HAS CHANGED
(5)
・MSN
・PERSONAL IDENTIFICATION NUMBER
・TRANSFER DESTINATION TELEPHONE NUMBER
・NO RESPONSE /NO CONDITIONS
・ANSWERING MACHINE SETTING
(6) TRANSMIT DATA BY MEANS OF DTMF SIGNAL TO SPECIFIED NUMBER

FIG.5

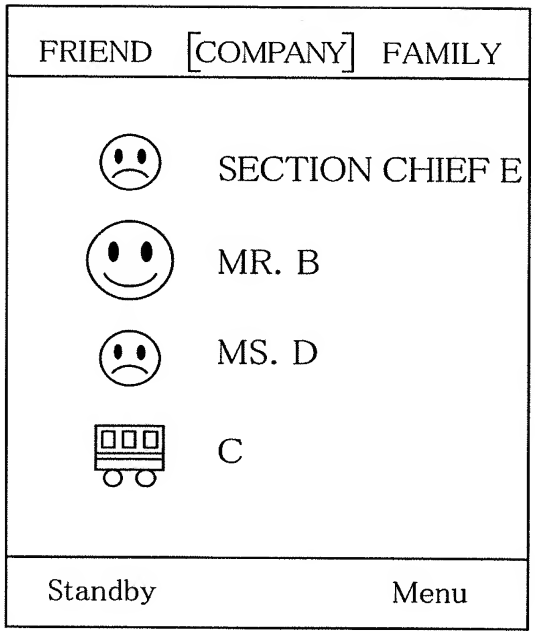
FRIEND
[COMPANY]
FAMILY
SECTION CHIEF E
MR. B
MS. D
C
Standby
Menu

FIG.6A

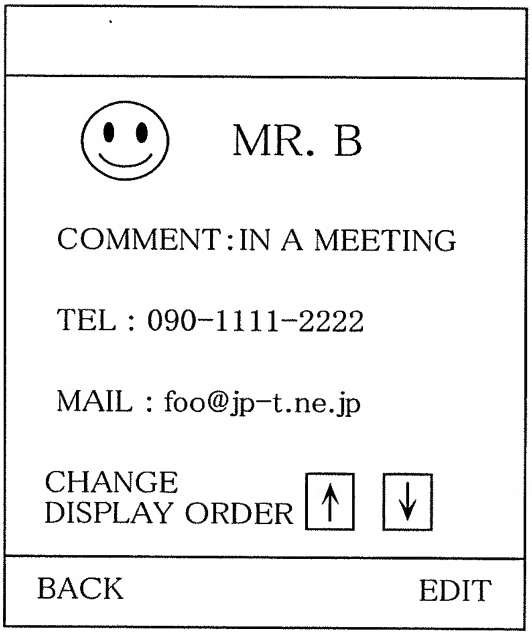
MR. B
COMMENT:IN A MEETING
TEL : 090-1111-2222
MAIL : foo@jp-t.ne.jp
CHANGE
DISPLAY ORDER
BACK
EDIT

FIG.6B

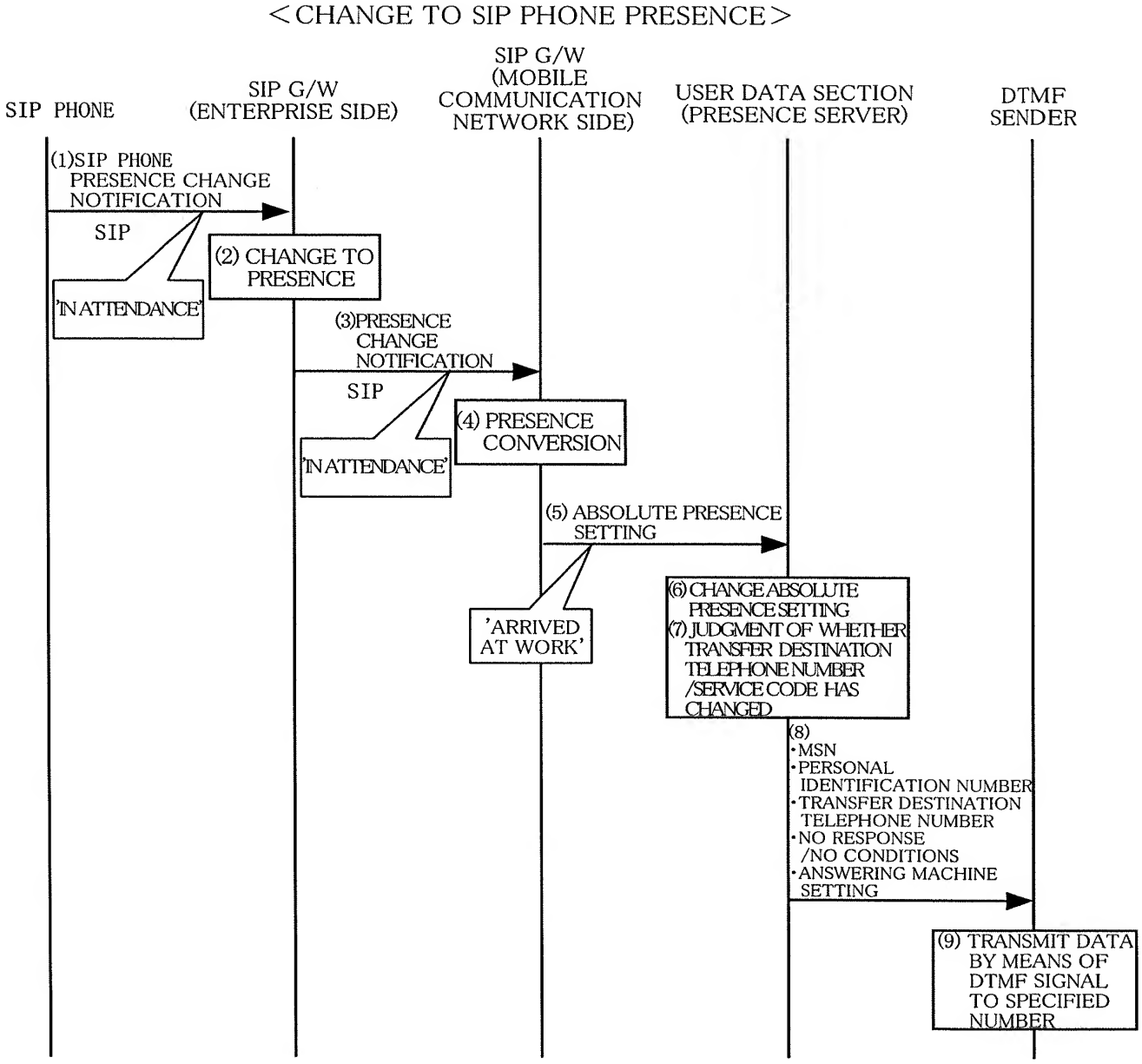
<CHANGE TO SIP PHONE PRESENCE>
SIP PHONE
SIP G/W (ENTERPRISE SIDE)
SIP G/W (MOBILE COMMUNICATION NETWORK SIDE)
USER DATA SECTION (PRESENCE SERVER)
DTMF SENDER
(1)SIP PHONE PRESENCE CHANGE NOTIFICATION
SIP
'IN ATTENDANCE'
(2) CHANGE TO PRESENCE
(3)PRESENCE CHANGE NOTIFICATION
SIP
'IN ATTENDANCE'
(4) PRESENCE CONVERSION
(5) ABSOLUTE PRESENCE SETTING
'ARRIVED AT WORK'
(6) CHANGE ABSOLUTE PRESENCE SETTING
(7) JUDGMENT OF WHETHER TRANSFER DESTINATION TELEPHONE NUMBER /SERVICE CODE HAS CHANGED
(8)
·MSN
·PERSONAL IDENTIFICATION NUMBER
·TRANSFER DESTINATION TELEPHONE NUMBER
·NO RESPONSE /NO CONDITIONS
·ANSWERING MACHINE SETTING
(9) TRANSMIT DATA BY MEANS OF DTMF SIGNAL TO SPECIFIED NUMBER

FIG.7

<SIP PHONE PRESENCE CHANGE BY USER DATA SECTION>

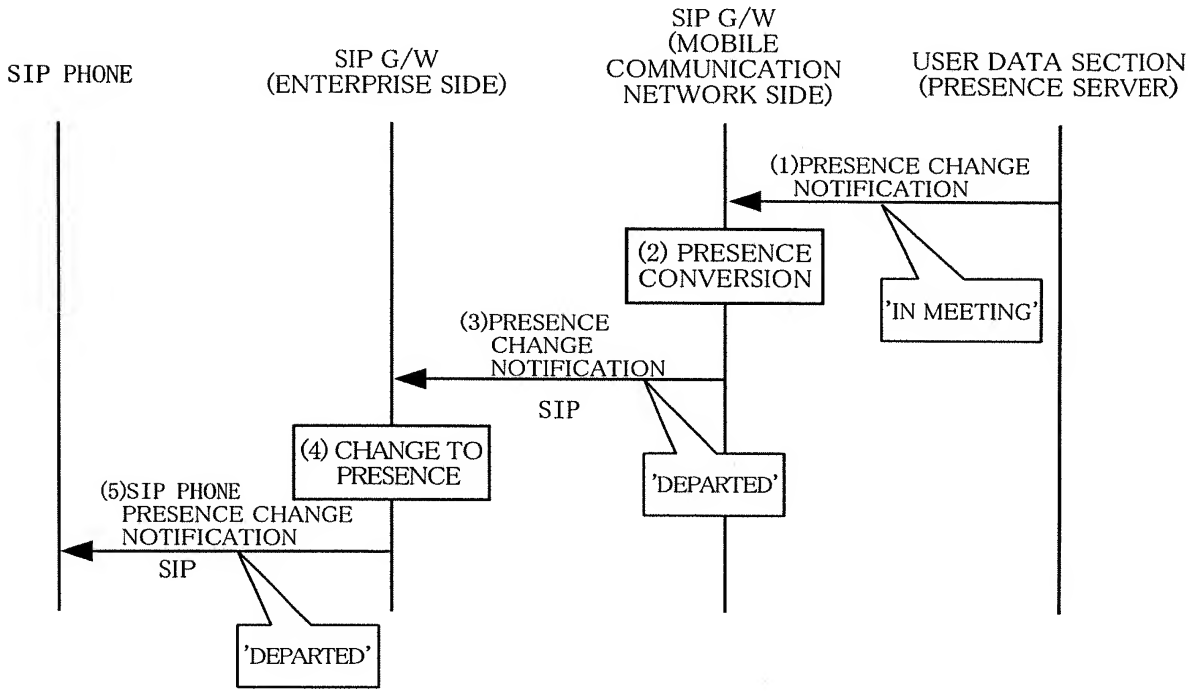

FIG.8

SIP PHONE PRESENCE	ABSOLUTE PRESENCE
IN ATTENDANCE	ARRIVED AT WORK
DEPARTED	IN MEETING
EATING	LUNCH BREAK

FIG.9

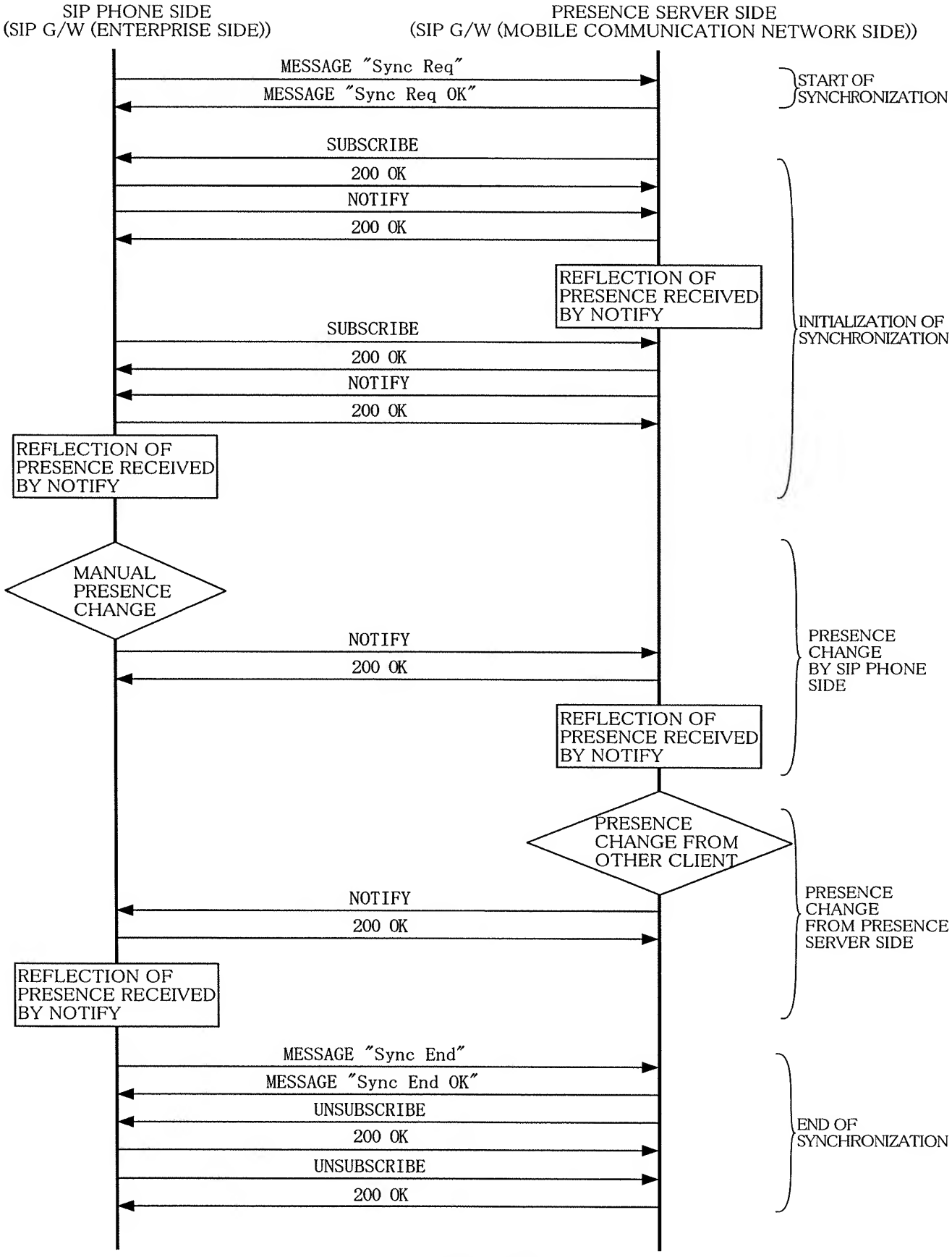
SIP PHONE SIDE
(SIP G/W (ENTERPRISE SIDE))
PRESENCE SERVER SIDE
(SIP G/W (MOBILE COMMUNICATION NETWORK SIDE))
MESSAGE "Sync Req"
MESSAGE "Sync Req OK"
START OF SYNCHRONIZATION
SUBSCRIBE
200 OK
NOTIFY
200 OK
REFLECTION OF PRESENCE RECEIVED BY NOTIFY
SUBSCRIBE
200 OK
NOTIFY
200 OK
INITIALIZATION OF SYNCHRONIZATION
REFLECTION OF PRESENCE RECEIVED BY NOTIFY
MANUAL PRESENCE CHANGE
NOTIFY
200 OK
REFLECTION OF PRESENCE RECEIVED BY NOTIFY
PRESENCE CHANGE BY SIP PHONE SIDE
PRESENCE CHANGE FROM OTHER CLIENT
NOTIFY
200 OK
REFLECTION OF PRESENCE RECEIVED BY NOTIFY
PRESENCE CHANGE FROM PRESENCE SERVER SIDE
MESSAGE "Sync End"
MESSAGE "Sync End OK"
UNSUBSCRIBE
200 OK
UNSUBSCRIBE
200 OK
END OF SYNCHRONIZATION

FIG.10